

# Product Datasheet

## Ly-6G/Ly-6C Antibody (RB6-8C5) [PE] NBP2-00440-100ug

Unit Size: 100 ug

Store at 4C. Do not freeze.

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**NBP2-00440-100ug**

Ly-6G/Ly-6C Antibody (RB6-8C5) [PE]

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	RB6-8C5
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	PE
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Host	Rat
Gene ID	546644
Gene Symbol	LY6G
Species	Mouse
Specificity/Sensitivity	Studies indicate that in the bone marrow and lysed whole blood, the antibody clone RB6-8C5 also reacts with an additional subpopulation of Ly-6C high cells.
Immunogen	Normal mouse bone marrow.

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vivo assay
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, In vivo assay
Application Notes	The RB6-8C5 antibody has been tested by flow cytometric analysis of mouse bone marrow cells and splenocyte suspensions. This can be used at less than or equal to 0.5 ug per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. Cell number should be determined empirically but can range from $10^5$ to $10^8$ cells/test. The RB6-8C5 antibody has also been reported for use immunoprecipitation, immunoblotting (WB) and immunohistochemical staining. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. In vivo assay was reported in scientific literature.



## Publications

Sasmono RT, Ehrnsperger A, Cronau SL, Ravasi T, Kandane R, Hickey MJ, Cook AD, Himes SR, Hamilton JA, Hume DA. Mouse neutrophilic granulocytes express mRNA encoding the macrophage colony-stimulating factor receptor (CSF-1R) as well as many other macrophage-specific transcripts and can transdifferentiate into macrophages in vitro in response to CSF-1. *J Leukoc Biol*;82(1):111-23. 2007-07-01 [PMID: 17438263]

Fan J, Li Y, Vodovotz Y, Billiar TR, Wilson MA. Hemorrhagic shock-activated neutrophils augment TLR4 signaling-induced TLR2 upregulation in alveolar macrophages: role in hemorrhage-primed lung inflammation. *Am J Physiol Lung Cell Mol Physiol*;290(4):L738-L746. 2006-04-01 [PMID: 16272176] (In Vivo)

Miura M, Fu X, Zhang QW, Remick DG, Fairchild RL. Neutralization of Gro alpha and macrophage inflammatory protein-2 attenuates renal ischemia/reperfusion injury. *Am J Pathol*;159(6):2137-45. 2001-12-01 [PMID: 11733364] (IHC-Fr)

Huang B, Zhao J, Shen S, Li H, He KL, Shen GX, Mayer L, Unkeless J, Li D, Yuan Y, Zhang GM, Xiong H, Feng ZH. *Listeria monocytogenes* promotes tumor growth via tumor cell toll-like receptor 2 signaling. *Cancer Res*;67(9):4346-52. 2007-05-01 [PMID: 17483348] (In Vivo)

Fleming TJ, Fleming ML, Malek TR. Selective expression of Ly-6G on myeloid lineage cells in mouse bone marrow. RB6-8C5 mAb to granulocyte differentiation antigen (Gr-1) detects members of the Ly-6 family. *J Immunol* 1993-09-01 [PMID: 8360469]

Alvarez MJ, Prada F, Salvatierra E, Bravo AI, Lutzky VP, Carbone C, Pitossi FJ, Chuluyan HE, Podhajcer OL. Secreted protein acidic and rich in cysteine produced by human melanoma cells modulates polymorphonuclear leukocyte recruitment and antitumor cytotoxic capacity. *Cancer Res*;65(12):5123-32. 2005-06-15 [PMID: 15958556] (IHC-P)

Brown CR, Blaho VA, Loiacono CM. Susceptibility to experimental Lyme arthritis correlates with KC and monocyte chemoattractant protein-1 production in joints and requires neutrophil recruitment via CXCR2. *J Immunol*;171(2):893-901. 2003-07-15 [PMID: 12847259] (IHC-P)

Dunussi-Joannopoulos K, Runyon K, Erickson J, Schaub RG, Hawley RG, Leonard JP. Vaccines with interleukin-12-transduced acute myeloid leukemia cells elicit very potent therapeutic and long-lasting protective immunity. *Blood*;94(12):4263-73. 1999-12-15 [PMID: 10590071] (IHC-Fr)





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### **Limitations**

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